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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicant : Constantine J. Tsikos  
Application Serial No.: 10/067,540  
Filing Date : February 5, 2002  
Title: PLANAR LASER ILLUMINATION AND IMAGING  
MODULE (PLIIM) BASED SEMICONDUCTOR CHIPS  
Examiner : Ahshik Kim  
Group Art Unit : 2876  
Attorney Docket No. : 108-127USANCO

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

*entered  
1/7/05  
ATTN*

**AMENDMENT UNDER RULE 312(a)**

SIR:

Prior to payment of Issue Fee in the present Application, please amend the same as follows:

**AMENDMENT TO THE CLAIMS:**

Please amend Claims 263-268, 273 and 275-277 as follows:

Claims 1-262 (canceled)

Claim 263 (currently amended): A planar laser illumination and imaging module (PLIIM) realized on a semiconductor chip for integration into a system having a working range, said PLIIM comprising:

a pair of micro-sized diffractive or refractive cylindrical lens arrays mounted upon a pair of large linear arrays of surface emitting lasers (SELs) for producing a plurality of substantially planar laser beam components,

said pair of linear arrays being fabricated on opposite sides of a linear electronic image detection array provided with optics having a field of view (FOV),

wherein said plurality of substantially planar laser beam components produce a composite substantially planar laser illumination beam that has substantially planar spatial distribution characteristics that extend through said field of view so that laser light reflected off

*OK to enter  
1-4-05, AK*